

## Data Dictionary for Order 860 Table of Contents

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Filing Information		Basic information about a Seller's market-based rate authority (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	mbr_filing_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, <a href="#">FERC Online</a> (e.g. eFiling Submission Report)	Foreign Key (submissions)	NA	INTEGER	NA	
4	TestFiling	Indicates whether this is a test submission that will not be inserted into the database.	Options List: • true • false	N	CHARACTER(5)		
5	reporting_entity_cid	Company Identifier of the MBR Seller making this submission.	Foreign Key (CID)	N	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. Can be found using General Search, found <a href="#">here</a> .
6	eRegEmail	eRegistered email of the MBR Seller making this submission.		N	CHARACTER VARYING		Must be a valid eRegistered email address, allowed to make the MBR submission on behalf of the reporting_entity_cid.

mbr_authorizations		Basic information about a Seller's market-based rate authority (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	mbr_authorization_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g. eFiling Submission Report)	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
8	reference_id	Identifier of existing record being updated.		Y	INTEGER		Required if record_type_cd is "Update." Must match an existing entry from the "MBR Authorization ID" column in the "MBR Authorization Submitted Data Table, found <a href="#">here</a> .
9	authorization_docket_number	Docket number of the order first granting the reporting entity market-based rate authorization.		N	CHARACTER VARYING(15)	XXXX-X-XXX; XXXX-XX-XXX; XXXX-XXX-XXX; or XXXX-XXXX-XXX	

<b>mbr_authorizations</b>		<i>Basic information about a Seller's market-based rate authority (gray rows auto-populated by database system)</i>					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
10	authorization_effective_date	Date the reporting entity's market-based rate authorization became effective. If the reporting entity's market-based rate authorization has not yet been accepted, enter the proposed effective date.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
11	cancellation_docket_number	Docket number of the order accepting the cancellation of the reporting entity's market-based rate authorization.		Y	CHARACTER VARYING(15)	XXXX-X-XXX; XXXX-XX-XXX; XXXX-XXX-XXX; or XXXX-XXXX-XXX	
12	cancellation_effective_date	Effective date of the cancellation of the reporting entity's market-based rate authorization.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Value must be $\geq$ authorization_effective_date

The Seller's Category status in all six market-based rate regions (gray rows auto-populated by database system)							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	cat_status_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g. eFiling Submission Report)	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding Identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: <ul style="list-style-type: none"> <li>• New</li> <li>• Update</li> </ul>	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
8	reference_id	Identifier of existing record being updated.		Y	INTEGER		Required if record_type_cd is "Update." Must match an existing entry from the "Cat Status ID" column in the MBR Category Status Submitted Data Table, found <a href="#">here</a> .
9	region_cd	Region identifier.	Options List: <ul style="list-style-type: none"> <li><b>NW</b> – Northwest</li> <li><b>SW</b> – Southwest</li> <li><b>CE</b> – Central</li> <li><b>SPP</b> – Southwest Power Pool</li> <li><b>NE</b> – Northeast</li> <li><b>SE</b> – Southeast</li> </ul>	N	CHARACTER(3)	NA	Must match a valid region code from the Options List. This list is also available in the Region Lookup Table, found <a href="#">here</a> .

mbr_category_status							
<i>The Seller's Category status in all six market-based rate regions</i> (gray rows auto-populated by database system)							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
10	cat_status_in_region_fk	Category status in region.	Options List: 1 - Category 1 2 - Category 2 3 - No MBR authority in the region	N	INTEGER	NA	Must match a valid entry from the Options List. This list is also available in the Category Status in Region Lookup Table, found <a href="#">here</a> .
11	cat_status_effective_date	Effective date of tariff where this category status was implemented.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date Required if cat_status_in_region_fk is "1" or "2."

mbr_mitigations		Listing of the markets/BAA's where the Seller is mitigated (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	mbr_mitigations_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
8	reference_id	Identifier of existing record being updated		Y	INTEGER		Required if record_type_cd is "Update." Must match an existing entry from the "MBR Mitigation ID" column in the MBR Mitigations Submitted Data Table, found <a href="#">here</a> .
9	Balancing_Authority_cd	Identifier for the market/BAA where the reporting entity is mitigated.	Foreign Key (Balancing Authority Areas)	N	CHARACTER VARYING(5)	NA	Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
10	mitigation_narrative	Narrative description of the mitigation specifying type of mitigation, etc.		Y	CHARACTER VARYING(MAX)	NA	
11	mitigation_effective_date	Effective date of tariff where the mitigation was implemented.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
12	mitigation_end_date	Effective date of tariff where the mitigation was removed.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date Value must be ≥ mitigation_effective_date.

Listing of the regions and/or BAAs where the Seller has limited its own market-based rate authority through its tariff (gray rows auto-populated by database system)							
mbr_self_limitations							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	mbr_self_limitations_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
8	reference_id	Identifier of existing record being updated.		Y	INTEGER		Required if record_type_cd is "Update." Must match an existing entry from the "MBR Self Limitations ID" column in the MBR Self Limitations Submitted Data Table, found <a href="#">here</a> .

Listing of the regions and/or BAAs where the Seller has limited its own market-based rate authority through its tariff (gray rows auto-populated by database system)							
mbr_self_limitations							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
9	region_cd	Identifier for the region where the reporting entity is authorized to transact at market-based rates. Report a region to indicate that the reporting entity is authorized to transact at market-based rates in all markets/BAAs within the region.	Options List: <b>NW</b> – Northwest <b>SW</b> – Southwest <b>CE</b> – Central <b>SPP</b> – Southwest Power Pool <b>NE</b> – Northeast <b>SE</b> - Southeast	Y	CHARACTER VARYING(3)		Must match a valid region code from the Options List. This list is also available in the Region Lookup Table, found <a href="#">here</a> .
10	Balancing_Authority_cd	Identifier for the market/BAA where the reporting entity is authorized to transact at market-based rates.	Foreign Key (Balancing Authority Areas)	Y	CHARACTER VARYING(5)		Must match an entry from the “Balancing Authority CD” column of the BAA Lookup Table, found <a href="#">here</a> .
11	self_limit_effective_date	Effective date of tariff where the self-limitation was implemented.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
12	self_limit_end_date	Effective date of tariff where the self-limitation was removed.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Value must be ≥ self_limit_effective_date

mbr_operating_reserves		Listing of the markets/BAs where the Seller is authorized to sell operating reserves (including RTO/ISOs and Third Party Ancillary Services) (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	mbr_operating_reserves_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.

mbr_operating_reserves		Listing of the markets/BAs where the Seller is authorized to sell operating reserves (including RTO/ISOs and Third Party Ancillary Services) (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
8	reference_id	Identifier of existing record being updated.		Y	INTEGER		Required if record_type_cd is "Update." Must match an existing entry from the "MBR Operating Reserves ID" column in the MBR Operating Reserves Submitted Data Table, found <a href="#">here</a> .
9	Balancing_Authority_cd	Identifier for the market/BAA where the reporting entity is authorized to sell operating reserves.	Foreign Key (Balancing Authority Areas)	N	CHARACTER VARYING(5)		If making sales of Third-Party Ancillary Services, must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
10	or_authorization_effective_date	Effective date of tariff specifying when seller was authorized to sell operating reserves.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
11	or_authorization_end_date	Effective date of tariff when the operating reserve authorization was removed.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Value must be ≥ or_authorization_effective_date

entities_to_entities		Mapping of reporting entities to ultimate upstream affiliates (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	entities_entities_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	Valid date
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	Valid date value must be ≥ active_date
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER (6)	NA	Must either be “New” or “Update” if information is included in this table.
8	reference_id	Identifier of existing record being updated.		Y	INTEGER		Required if record_type_cd is “Update.” Must match an existing entry from the “Entities to Entities ID” column of the Entities to Entities Submitted Data Table, found <a href="#">here</a> .

entities_to_entities		Mapping of reporting entities to ultimate upstream affiliates (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
9	reportable_entity_ID_type_CD	User selects one of the three identifier types it will provide for these 2 fields: -Company Identifier/CID of the Reportable Entity. (Required if available.) -Legal Entity Identifier/LEI of the Reportable Entity. (Required if available and CID is not available.) -FERC generated ID/GID of the Reportable Entity. (Required if CID and LEI are not available.)	Options List: • CID • LEI • GID	N	CHARACTER (3)		Must be "CID," "LEI," or "GID."
10	reportable_entity_ID	CID, LEI, or GID for the entity being reported.  Note: this field is used to identify affiliate relationships to generate the Asset Appendix, other than when a Utility_ID is submitted. When provided, the Utility_ID field is used to establish the downstream affiliate relationships for Asset Appendix generation and the reportable_entity_ID is used to identify the Ultimate Upstream Affiliate.	Foreign Key (CID) Foreign Key (LEI) Foreign Key (GID)	N	CHARACTER (7) CHARACTER (20) CHARACTER (10)		Must match an active record identifier. These identifiers can be found using General Search, found <a href="#">here</a> .
11	Blanket_Auth_Docket_Number	Docket number wherein the Reportable Entity received a of the section 203(a)(2) blanket authorization. This field should be left blank if this does not apply.		Y	CHARACTER VARYING (15)	XXXX-X-XXX; XXXX-XX-XXX; XXXX-XXX-XXX; or XXXX-XXXX-XXX	Required if the Reportable Entity received a 203(a)(2) blanket authorization. Otherwise, should be left blank.
12	Utility_ID_Type_CD	User selects one of the three identifier types it will provide for these 2 fields: - Company Identifier/CID of the Reportable Entity. (Required if available.) -Legal Entity Identifier/LEI of the Reportable Entity. (Required if available and CID is not available.) -FERC generated ID/GID of the Reportable Entity. (Required if CID and LEI are not available.)	Options List • CID • LEI • GID	Y	CHARACTER (3)		Required if the Reportable Entity received a 203(a)(2) blanket authorization. Otherwise, should be left blank. If submitted, must be "CID," "LEI," or "GID."

entities_to_entities		Mapping of reporting entities to ultimate upstream affiliates (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
13	Utility_ID	<p>CID, LEI, or GID for the entity whose securities were acquired pursuant to the blanket authorization. This field should be left blank if this does not apply.</p> <p>Note: when provided, this field is used to establish downstream affiliate relationships to generate the Asset Appendix. The reportable_entity_ID is used to identify the Ultimate Upstream Affiliate.</p>	Foreign Key (CID) Foreign Key (LEI) Foreign Key (GID)	Y	CHARACTER (7) CHARACTER (20) CHARACTER (10)		<p>Required if the Reportable Entity received a 203(a)(2) blanket authorization. Otherwise, should be left blank.</p> <p>Must match an active record identifier. These identifiers can be found using General Search, found <a href="#">here</a>.</p>
14	relationship_start_date	Date relationship to the Reportable Entity (field 10) started.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
15	relationship_end_date	Date relationship to the Reportable Entity (field 10) ended.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date Value must be ≥ relationship_start_date

entities_to_genassets		Mapping of reporting entities to generator assets (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	entities_genassets_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	Valid date
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	Valid date Value must be ≥ active_date
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	EIA_fk	Populated only when the gen_asset_type_fk is "EIA," for internal tracking purposes.		Y	INTEGER	NA	
8	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
9	reference_id	If updating an existing record, provides a link to the existing record.		Y			Required if record_type_cd is "Update." Must match an existing entry from the "Entities Genassets ID" column in the Entities to Gen Assets Submitted Data Table, found <a href="#">here</a> .
10	generation_asset_type_id	User selects whether it will identify the generator using EIA information or a FERC-generated Asset ID.	Options List: 1- EIA 2- Asset ID	N	INTEGER		

entities_to_genassets		Mapping of reporting entities to generator assets (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
11	eia_plant_code  EIA data hierarchy: Plant Code -> Generator ->Unit  e.g. Plant code = 123	"Plant Code" assigned to the plant as found in the EIA-860 data.	Foreign Key (EIA)	Y	CHARACTER VARYING (5)	NA	Required if "generation_asset_type_id" is "1" (EIA). Must match a valid entry from the "Plant Code" column in the EIA Lookup Table, found <a href="#">here</a> .  EIA data is uploaded into the EIA Lookup Table annually from the EIA external source.
12	eia_generator_id  EIA data hierarchy: Plant Code -> Generator ->Unit  e.g. Plant code = 200 Generator ID = 3	"Generator ID" assigned to the generator as found in the EIA-860 data.	Foreign Key (EIA)	Y	CHARACTER VARYING (5)	NA	Though nullable, this information is required if "generation_asset_type_id" is "1" (EIA) and the Generator is relevant to the asset appendix.  Must match a valid entry from the "Generator ID" column in the EIA Lookup Table, found <a href="#">here</a> .  EIA data is uploaded into the EIA Lookup Table annually from the EIA external source.
13	eia_unit_code  EIA data hierarchy: Plant Code -> Generator ->Unit  e.g. Plant code = 200 Generator ID = 3 Unit Code = ABC	"Unit Code" assigned to linked generators (e.g. combined cycle) as found in the EIA-860 data (if applicable).	Foreign Key (EIA)	Y	CHARACTER VARYING(7)		Though nullable, this information is required if "generation_asset_type_id" is "1" (EIA) and the Unit is relevant to the asset appendix  Must match a valid entry from the "Unit Code" column in the EIA Lookup Table, found <a href="#">here</a> .  EIA data is uploaded into the EIA Lookup Table annually from the EIA external source

entities_to_genassets		Mapping of reporting entities to generator assets (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
14	ferc_asset_Gen_code	The FERC Asset ID assigned to the asset. Asset IDs can be obtained by filers for assets that do not have EIA codes.	Foreign Key (Asset ID)	Y	CHARACTER(10)	FAXXXXXXX X	Required if "generation_asset_type_id" is "2" (Asset ID). Must match a valid entry in the "Gen Code" column of the Gen Asset table, found <a href="#">here</a> .
15	entity_ID_type_CD	User selects one of the three identifier types it will provide for these 2 fields: -Company Identifier/CID of the reportable entity. (Required if available.) -Legal Entity Identifier/LEI of the reportable entity. (Required if available and CID is not available.) -FERC generated ID/GID of the reportable entity. (Required if CID and LEI are not available.)	Options List: • CID • LEI • GID	N	CHARACTER(3)		Must be "CID," "LEI," or "GID."
16	entity_ID	CID, LEI, or GID for the entity that owns and/or controls the generator being reported.	Foreign Key (CID) Foreign Key (LEI) Foreign Key (GID)	N	CHARACTER(7) CHARACTER(20) CHARACTER(10)		Must match an active record identifier. These identifiers can be found using General Search, found <a href="#">here</a> .
17	relationship_type_fk	Indicator of whether an ownership or control relationship is being reported.	Options List: 1 – Ownership 2 – Control 3 – Both Own and Control	N	INTEGER(1)		Must match a valid entry from the Options List. This list is also available in the Relationship Type Lookup Table, found <a href="#">here</a> .
18	relationship_start_date	Date the reported relationship with the generation asset began.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
19	relationship_end_date	Date the reported relationship with the generation asset ended.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Value should be ≥ relationship_start_date

entities_to_genassets		Mapping of reporting entities to generator assets (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
20	physical_location_Balancing_Authority_cd	Identifier for the market/BAA where the generator is physically located.	Foreign Key (Balancing Authority Areas)	N	CHARACTER VARYING(5)		Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
21	telemetered_location_Balancing_Authority_cd	Identifier for the market/BAA that is the destination (sink) market/BAA of remote generation or where a generator is pseudo-tied or committed with long term transmission rights (i.e. where this generation should be studied in an MBR submittal).	Foreign Key (Balancing Authority Areas)	N	CHARACTER VARYING(5)		Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
22	cap_rating_adjusted	De-rated capacity value for the generator. (See adj_rating_options_fk).		N	NUMERIC(6,2)		Must be a positive number.
23	adj_rating_options_fk	The de-rating methodology used to calculate the value reported in cap_rating_adjusted. (See P 266 of FERC Order No. 816 for more information on the allowed methodologies.)	Options List: 1- Nameplate 2- Seasonal 3- 5-yr Unit 4- 5-yr EIA 5- Alternative	N	INTEGER(1)		Must match a valid entry from the Options List. This list is also available in the Rating Adjust Options Lookup Table, found <a href="#">here</a> .
24	alt_methodology_used	The description of the de-rated capacity methodology of the asset, if it does not conform the other rating options. This should only be reported when adj_rating_options_fk is "5" (Alternative).(See FERC Order No. 816 at P 106)		Y	CHARACTER VARYING(MAX)		Required if adj_rating_options_fk is "5" (Alternative). Otherwise, must be Null
25	amount	Capacity (in MW) of the generator that is attributed to the reporting entity or non-MBR affiliate. This can differ from the cap_rating_adjusted field if the reported entity is not entitled to the full output of the facility.		N	NUMERIC(6,2)	NA	Must be a non-negative number.
26	explanatory_notes	Optional narrative description.		Y	CHARACTER VARYING(MAX)	NA	

entities_to_ppas		Mapping of reporting entities (or their non-mbr affiliates) to their long-term power purchase agreements (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	entities_ppa_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission assigned by, and integrated with, FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	EIA_fk	Populated only when the gen_asset_type_fk is "EIA," for internal tracking purposes.		NA	INTEGER	NA	
8	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: <ul style="list-style-type: none"> <li>• New</li> <li>• Update</li> </ul>	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
9	reference_id	If updating an existing record, provides a link to the existing record.		Y			Required if record_type_cd is "Update." Must match an existing entry from the "Entities PPA ID" column in the Entities to PPAs Submitted Data Table, found <a href="#">here</a> .
10	entity_id_type_cd	User selects one of the three identifier types it will provide for these 2 fields: -Company Identifier/CID of the reportable entity. (Required if available.) -Legal Entity Identifier/LEI of the reportable entity. (Required if available and CID is not available.) -FERC generated ID/GID of the reportable entity. (Required if CID and LEI are not available.)	Options List: <ul style="list-style-type: none"> <li>• CID</li> <li>• LEI</li> <li>• GID</li> </ul>	N	CHARACTER(3)		Must be "CID," "LEI," or "GID."

Mapping of reporting entities (or their non-mbr affiliates) to their long-term power purchase agreements (gray rows auto-populated by database system)							
entities_to_ppas							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
11	entity_id	CID, LEI, or GID of the entity for whom the PPA is being reported.	Foreign Key (CID) Foreign Key (LEI) Foreign Key (GID)	N	CHARACTER(7) CHARACTER(20) CHARACTER(10)		Must match an active record identifier. These identifiers can be found using General Search, found <a href="#">here</a> .
12	date_of_last_change	(If submission type is "Update") the date the change that is being reported occurred.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Required if record_type_cd is "Update."
13	ppa_agreement_id	An identifier chosen by the reporting entity that can be used to refer to the PPA, if needed. When possible, the reporting entity should use the identifier used in EQR Field 20.		Y	CHARACTER(30)	NA	If record_type_cd is "New," the submitted identifier should not have previously been used by this reporting entity.  If record_type_cd is "Update," the submitted identifier must be an identifier previously submitted by this reporting entity.
14	counterparty_ID_type_CD	User selects one of the three identifier types it will provide for these 2 fields: -Company Identifier/CID of the reportable entity. (Required if available). -Legal Entity Identifier/LEI of the reportable entity. (Required if available and CID is not available). -FERC generated ID/GID of the reportable entity. (Required if CID and LEI are not available).	Options List: • CID • LEI • GID	N	CHARACTER (3)		Must be "CID," "LEI," or "GID."
15	counterparty_ID	CID, LEI, or GID for the counterparty of the PPA.	Foreign Key (CID) Foreign Key (LEI) Foreign Key (GID)	N	CHARACTER(7) CHARACTER(20) CHARACTER(10)		Must match an active record identifier. Can be found using General Search, found <a href="#">here</a> .

entities_to_ppas		Mapping of reporting entities (or their non-mbr affiliates) to their long-term power purchase agreements (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
16	ppa_type_fk	Identifies whether the reporting entity or its non-MBR affiliate is the purchaser or seller of energy/capacity.	Options List: 1 - Purchase 2 - Sale	N	INTEGER (1)		Must be either "1" (Purchase) or "2" (Sale).
17	supply_type_fk	The source of supply for the PPA. If "Other" is selected, provide an explanation in the explanatory_notes field.	Options List: 1 - Generator Specific 2 - Slice of System 3 - Portfolio 4 - Other	N	INTEGER		Must match a valid entry from the Options List.  This list is also available in the <a href="#">Supply Type</a> Lookup Table, found <a href="#">here</a> .
18	generation_asset_type_id	User selects whether it will identify the generator using EIA Information or a FERC-generated Asset ID.	Options List: 1 - EIA 2 - Asset ID	Y	INTEGER		Required if supply_type_fk is "1" (Generator Specific).
19	eia_plant_code  EIA data hierarchy: Plant Code -> Generator -> Unit  e.g., Plant code = 123	"Plant Code" assigned to the plant as found in the EIA-860 data.	Foreign Key (EIA)	Y	CHARACTER VARYING (MAX of EIA Code)		Required if supply_type_fk is "Generator Specific" and generation_asset_type_id is "1" (EIA)  Must match a valid "Plant Code" from <a href="#">EIA Search</a> for the given EIA Plant Code and Generator.  EIA data is uploaded into the EIA Search Table annually from the EIA external source.

entities_to_ppas		Mapping of reporting entities (or their non-mbr affiliates) to their long-term power purchase agreements (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
20	eia_generator_id  EIA data hierarchy: Plant Code -> Generator -> Unit  e.g., Plant code = 200 Generator ID = 3	"Generator ID" assigned to the generator as found in the EIA-860 data (if applicable).	Foreign Key (EIA)	Y	CHARACTER VARYING (MAX of EIA Code)		Though nullable, this information is required if supply_type_fk is "Generator Specific," generation_asset_type_id is "1" (EIA), and the Generator is relevant to the asset appendix.  Must match a valid "Generator ID" from <a href="#">EIA Search</a> for the given EIA Plant Code and Generator.  EIA data is uploaded into the EIA Search Table annually from the EIA external source.
21	eia_unit_code  EIA data hierarchy: Plant Code -> Generator -> Unit  e.g., Plant code = 200 Generator ID = 3 Unit Code FK = ABC	"Unit Code" assigned to linked generators (e.g., combined cycle) as found in the EIA-860 data (if applicable).	Foreign Key (EIA)	Y	CHARACTER VARYING (MAX of EIA Code)		Though nullable, this information is required if supply_type_fk is "Generator Specific," the generation_asset_type_id is "1" (EIA), and the Unit is relevant to the asset appendix.  Must match a valid "Unit Code" from <a href="#">EIA Search</a> for the given EIA Plant Code and Generator.  EIA data is uploaded into the EIA Search Table annually from the EIA external source.
22	ferc_asset_Gen_code	The FERC Asset ID assigned to the asset. Asset IDs can be obtained by filters for assets that do not have EIA codes. (Needed if supply_type_fk is "1" (Generator Specific); and generation_asset_type_id is "2" (Asset ID)).	Foreign Key (Asset ID)	Y	INTEGER (10)		Required if supply_type_fk is "1" (Generator Specific) and generation_asset_type_id is "2" (Asset ID).  Must provide a valid Gen Code from <a href="#">Gen Assets Search</a> .
23	start_date	The contractual start date of the PPA.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
24	scheduled_end_date	The date the PPA is scheduled to end (if known).		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Value must be ≥ start_date.

entities_to_ppas		Mapping of reporting entities (or their non-mbr affiliates) to their long-term power purchase agreements (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
25	actual_end_date	If the PPA has ended, the date the PPA ended.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date  Value must be $\geq$ start_date
26	amount	The megawatt (MW) amount of the PPA. If the PPA is for capacity, provide the specified amount, in MW. For energy-only PPAs, convert the units into MW equivalents using the formula set forth in Order No. 816 at PP 140-144, and FN 178.		N	NUMERIC(6,2)		Must be a non-negative number.
27	amount_adjusted	The de-rated capacity value of the PPA.  This should only be reported when when supply_type_fk is "1" (Generator Specific) and there is a de-rated capacity amount in the PPA.		Y	NUMERIC(6,2)		Null if supply_type_fk is not "1" (Generator Specific) OR if there are no de-rating adjustments. Must be a positive number less than or equal to the nameplate capacity of the corresponding generator.
28	adj_rating_options_fk	The de-rating methodology used to calculate the de-rated capacity value reported in the amount_adjusted field. (See P 266 of FERC Order No. 816 for more information on the allowed methodologies.)	Options List: 1 - Nameplate 2 - Seasonal 3 - 5-yr Unit 4 - 5-yr EIA 5 - Alternative	Y	INTEGER(1)		Null if supply_type_fk is not "1" (Generator Specific). Required if supply_type_fk is "1" (Generator Specific).  This list is also available in the Rating Adjust Options Lookup Table, found <a href="#">here</a> .
29	alt_methodology_used	The description of the de-rated capacity methodology of the asset, if it does not conform the other rating options. This should only be reported when adj_rating_options_fk is "5" (Alternative). (See FERC Order No. 816 at P 106.)		Y	CHARACTER VARYING(MAX)		Required if supply_type_fk is "1" (Generator Specific) and adj_rating_options_fk is "5" (Alternative). Otherwise, must be Null.

entities_to_ppas		Mapping of reporting entities (or their non-mbr affiliates) to their long-term power purchase agreements (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
30	source_balancing_authority_cd	Identifier for the market/BAA where the energy/capacity is sourced. If the energy/capacity is sourced at a hub, provide the identifier corresponding to "Hub" and provide a value for source_balancing_authority_hub_cd. May be the point of receipt BAA (PORBA) in a contract.	Foreign Key (Balancing Authority Areas)	Y	CHARACTER VARYING(5)		Required if ppa_type_fk is "2" (Sale).  Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
31	source_balancing_authority_hub_cd	Identifier for the hub where the energy/capacity will source(needed if sink_balancing_authority_cd is "Hub").	Foreign Key (Hubs)	Y	CHARACTER VARYING(11)		Required if ppa_type_fk is "2" (Sale) and source_balancing_authority_cd is "Hub."  Must match an entry from the "Hub CD" column of the Hub Lookup Table, found <a href="#">here</a> .
32	sink_balancing_authority_cd	Identifier for the market/BAA where the energy/capacity will sink. If the energy/capacity will sink at a hub, provide the identifier corresponding to "Hub" and provide a value for sink_balancing_authority_hub_cd. May be the point of delivery (PODBA) in a contract.	Foreign Key (Balancing Authority Areas)	Y	CHARACTER VARYING(5)		Required if ppa_type_fk is "1" (Purchase).  Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
33	sink_balancing_authority_hub_cd	Identifier for the hub where the energy/capacity will sink (needed If sink_balancing_authority_cd is "Hub").	Foreign Key (Hubs)	Y	CHARACTER VARYING(11)		Required if ppa_type_fk is "1" (Purchase) and sink_balancing_authority_cd is "Hub."  Must match an entry from the "Hub CD" column of the Hub Lookup Table, found <a href="#">here</a> .
34	explanatory_notes	Optional narrative description of any unique qualities of this PPA not captured elsewhere.		Y	CHARACTER VARYING(MAX)		Required if supply_type_fk is "5" (Alternative).

Mapping of reporting entities (or their non-mbr affiliates) to their vertical assets (gray rows auto-populated by database system)							
entities_to_vertical_assets							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	Entities_to_vertical_assets_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission integrated with FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	active_date	Date that this specific record became active in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
5	inactive_date	Date that this specific record became inactive in the database.		NA	DATE	YYYY-MM-DD (ANSI)	
6	updated_record_id	Superseding identifier for the record being updated.		NA	INTEGER	NA	
7	record_type_cd	Indicates whether this is a new submission or a submission to update an existing record.	Options List: • New • Update	N	CHARACTER(6)	NA	Must either be "New" or "Update" if information is included in this table.
8	reference_id	If updating an existing record, provides a link to the existing record.		Y			Required if record_type_cd is "Update." Must match an existing entry from the "Vertical Assets ID" column in the Entities to Vertical Assets Submitted Data Table, found <a href="#">here</a> .

Mapping of reporting entities (or their non-mbr affiliates) to their vertical assets (gray rows auto-populated by database system)							
entities_to_vertical_assets							
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
9	entity_ID	User selects one of the three identifier types it will provide for these 2 fields: -Company Identifier/CID of the reportable entity. (Required if available.) -Legal Entity Identifier/LEI of the reportable entity. (Required if available and CID is not available.) -FERC generated ID/GID of the reportable entity. (Required if CID and LEI are not available.)	Foreign Key (CID) Foreign Key (LEI) Foreign Key (GID)	N	CHARACTER(7) CHARACTER(20) CHARACTER(10)		Must match an active record identifier. Can be found using General Search, found <a href="#">here</a> .
10	entity_ID_type_CD	CID, LEI, or GID that owns, operates, or controls the vertical asset.	Options List: • CID • LEI • GID	N	CHARACTER(3)		Must be "CID," "LEI," or "GID."
11	vertical_asset_type_fk	The type of vertical asset being reported.  Ex: An entity has 3 Transmission Assets in the PJM BAA. They are only required to submit one record for that particular BAA to show that they possess that type of asset.	Options List:  1- Transmission Asset 2- Intrastate Pipeline 3- Gas Storage 4- Gas Distribution 5- Other Input	N	INTEGER		The filer is required to submit one record for each vertical asset type they possess in the relevant BAA.  This list is also available in the Vertical Asset Type Lookup Table, found <a href="#">here</a> .
12	Balancing_Authority_cd	Identifier for the market/BAA where the vertical asset is located.	Foreign Key (Balancing Authority Areas)	N	CHARACTER VARYING(5)		Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
13	relationship_start_date	Date the reported relationship with the vertical asset began.		N	DATE	YYYY-MM-DD (ANSI)	Valid date
14	relationship_end_date	Date the reported relationship with the vertical asset ended.		Y	DATE	YYYY-MM-DD (ANSI)	Valid date Value must be ≥ start_date
15	explanatory_notes	Optional narrative description.		Y	CHARACTER VARYING(MAX)		

indicative_pss		Market-based rate pivotal supplier screen inputs (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	indicative_pss_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER (7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission integrated with FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	study_type_cd	Flag indicating whether the entity is submitting this screen for the first time or amending/replacing a previously submitted screen.	Options List: <ul style="list-style-type: none"> <li>New (entity is submitting this screen for the first time)</li> <li>Update (entity is revising its own previously submitted screen)</li> </ul>	N	CHARACTER (6)		Must either be "New" or "Update" if information is included in this table.
5	study_amended_reference_fk	(If study_type is "Update") The ID of the study (from the PSS) to be amended/replaced.	Foreign Key (PSS)	Y	INTEGER *Supplied after new record is accepted*	NA	Required if study_type_cd is "Update."  Must match an existing record identifier in the Indicative PSS Submitted Data Table, found <a href="#">here</a> . This identifier will be the first column in the table titled "Indicative PSS Study ID" of a previous submission.  *** This should match a PSS which belongs to the filing company CID ***

indicative_pss		Market-based rate pivotal supplier screen inputs (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
6	pss_study_reference_fk	If the submitted screen relies on a previously submitted screen, provide the reference ID of the screen that it relies on.	Foreign Key (PSS)	Y	INTEGER	NA	Required if the submitted PSS screen relies on a previously submitted PSS screen.  Must match an existing entry from the "Indicative PSS Study ID" column in the Indicative PSS Submitted Data Table, found <a href="#">here</a> .
7	study_end_year	The year that the data year of the submitted screen ends. For example, if your study uses the data year December 1, 2015 to November 30, 2016, the study_end_year is "2016."		N	CHARACTER (4)	YYYY	Must be a current or historical year.
8	study_area_balancing_authority_cd	Identifier for the market/BAA or submarket that is being studied.	Foreign Key (Balancing Authority Areas)	N	CHARACTER VARYING(5)	NA	Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
9	scenario_type	Indicator of whether the submitted screen is a base case scenario or a sensitivity analysis.	Options List: 1 - Base Case 2 - Sensitivity Analysis	N	INTEGER	NA	Must be either "1" (Base case) or "2" (Sensitivity Analysis).

indicative_pss		Market-based rate pivotal supplier screen inputs (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
10	study_parameter	The complete listing of all the parameters which are to be submitted as part of the Pivotal Supplier Indicative Screen.	1 - Seller Installed Capacity 2 - Seller Remote Capacity 3 - Seller LT Firm Purchases from Inside 4 - Seller LT Firm Purchases from Outside 5 - Seller LT Firm Sales 6 - Seller Uncommitted Capacity Imports 7 - Non-Affiliate Installed Capacity 8 - Non-Affiliate Remote Capacity 9 - Non-Affiliate LT Firm Purchases from Inside 10 - Non-Affiliate LT Firm Purchases from Outside 11 - Non-Affiliate LT Firm Sales 12 - Non-Affiliate Uncommitted Capacity Imports 13 - Study Area Reserve Requirement 14 - Reserve Requirement Attributable to Seller 15 - Total Uncommitted Supply 16 - Study Area Annual Peak Load 17 - Average Daily Peak Native Load in Peak Month 18 - Amount of Average Daily Peak Native Load Attributable to Seller 19 - Wholesale Load 20 - Net Uncommitted Supply 21 - Seller Uncommitted Capacity 22 - Result (0 for Fail, 1 for Pass) 23 - Total Imports 24 - Seller Percent of SIL 25 - Non-Affiliate Percent of SIL 26 - SIL Value 27 - SIL Limit Exceeded (0 for No, 1 for Yes)	N	INTEGER	NA	Must provide a corresponding study_parameter_value for each of these Study Parameters.
11	study_parameter_value	The numeric value associated with each parameter of the Pivotal Supplier Indicative Screen.		N	NUMERIC (8,2)	NA	Values should comply with the rules governing the market-based rate program.
12	study_parameter_reference	(Optional) Narrative description of the data source used to determine study parameter value.		Y	CHARACTER VARYING (MAX)	NA	

indicative_mss		Market-based rate market share screen inputs (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
1	indicative_mss_id	Unique, table-specific, record identifier autogenerated by the database system on submission. Functions to uniquely identify each row in a given table.	Primary Key	NA	INTEGER	NA	
2	reporting_entity_cid_cd	Company Identifier of the reporting entity.	Foreign Key (CID)	NA	CHARACTER(7)	CXXXXXX	Must match an active Company Identifier registered with FERC. These identifiers can be found using General Search, found <a href="#">here</a> .
3	mbr_submission_fk	The unique identifier for the submission integrated with FERC Online (e.g., eFiling Submission Report).	Foreign Key (submissions)	NA	INTEGER	NA	
4	study_type_cd	Flag indicating whether the entity is submitting this screen for the first time or updating/replacing a previously submitted screen.	Options List: <ul style="list-style-type: none"> <li>• New (entity is submitting this screen for the first time)</li> <li>• Update (entity is revising its own previously submitted screen)</li> </ul>	N	INTEGER	NA	Must either be "New" or "Update" if information is included in this table.
5	study_amended_reference_fk	(If study_type_cd is "Update") The serial number of the study (from the MSS) to be amended/replaced.	Foreign Key (MSS)	Y	INTEGER *Will be supplied later after new record is accepted*	NA	Required if study_type_cd is "Update"  Must match an existing record identifier in the Indicative MSS Submitted Data Table, found <a href="#">here</a> . This identifier will be the first column in the table titled "Indicative MSS Study ID" of a previous submission.  *** This should match a MSS which belongs to the filing company CID ***
6	mss_study_reference_fk	If the submitted screen relies on a previously submitted screen, provide the reference ID of the screen that it relies on.	Foreign Key (MSS)	Y	INTEGER	NA	Required if the submitted MSS screen relies on a previously submitted MSS screen.  Must match an existing entry from the "Indicative MSS Study ID" column in the Indicative MSS Submitted Data Table, found <a href="#">here</a> .

indicative_mss		<i>Market-based rate market share screen inputs</i> (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
7	study_end_year	The year that the data year of the submitted screen ends. For example, if your study uses the data year December 1, 2015 to November 30, 2016, the study_end_year is "2016".		N	CHARACTER(4)	YYYY	Must be a current or historical year.
8	study_area_balancing_authority_cd	Identifier for the market/BAA or submarket that is being studied.	Foreign Key (Balancing Authority Areas)	N	CHARACTER(5)		Must match an entry from the "Balancing Authority CD" column of the BAA Lookup Table, found <a href="#">here</a> .
9	scenario_type	Indicator of whether the submitted screen is a base case scenario or a sensitivity analysis.	Options List: 1 – Base Case 2 – Sensitivity Analysis	N	INTEGER		Must be either "1" (Base Case) or "2" (Sensitivity Analysis).
10	season	The relevant season.	Options List: 1 – Winter 2 – Spring 3 – Summer 4 – Fall	N	INTEGER		Must match a valid entry from the Options List.

indicative_mss		Market-based rate market share screen inputs (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
11	study_parameter	The listing of all the parameters which are to be submitted as part of the Market Share Indicative Screen.	1 - Seller Installed Capacity 2 - Seller Remote Capacity 3 - Seller LT Firm Purchases from Inside 4 - Seller LT Firm Purchases from Outside 5 - Seller LT Firm Sales 6 - Seller Seasonal Planned Outages 7 - Seller Uncommitted Capacity Imports 8 - Average Peak Native Load in the Season 9 - Average Peak Native Load Attributable to Seller 10 - Average Peak Native Load Attributable to Non-Affiliates 11 - Study Area Reserve Requirement 12 - Study Area Reserve Requirement Attributable to Seller 13 - Study Area Reserve Requirement Attributable to Non-Affiliates 14 - Non-Affiliate Installed Capacity 15 - Non-Affiliate Remote Capacity 16 - Non-Affiliate LT Firm Purchases from Inside 17 - Non-Affiliate LT Firm Purchases from Outside 18 - Non-Affiliate LT Firm Sales 19 - Non-Affiliate Seasonal Planned Outages 20 - Non-Affiliate Uncommitted Capacity Imports 21 - Total Competing Supply 22 - Seller Uncommitted Capacity 23 - Total Seasonal Uncommitted Capacity 24 - Seller's Market Share 25 - Result (0 for Fail, 1 for Pass) 26 - Total Imports 27 - Seller Percent of SIL 28 - Non-Affiliate Percent of SIL 29 - SIL Value 30 - SIL Limit Exceeded (0 for No, 1 for Yes)	N	INTEGER		Must provide a corresponding study_parameter_value for each of the Study Parameters, in every season.

indicative_mss		<i>Market-based rate market share screen inputs</i> (gray rows auto-populated by database system)					
#	Attribute	Description	Identifier Type	Nullable	SQL Type	Format	Validations
12	study_parameter_value	The numeric value associated with each parameter of the Market Share Indicative Screen.		N	NUMERIC (8,2)		Values should comply with the rules governing the market-based rate program.
13	study_parameter_reference	(Optional) Narrative description of the data source used to determine study parameter value.		Y	CHARACTER VARYING(MAX)		

SQL Format Types	Definition	Example
Integer	A whole number that is not a fraction	1, 2, 3...n
Character ( <i>size</i> )	A FIXED length string (can contain letters, numbers, and special characters). The <i>size</i> in parentheses specifies the column length in characters (in numbers).	This is an example of a string
Character Varying ( <i>size</i> )	A VARIABLE length string (can contain letters, numbers, and special characters). The <i>size</i> in parentheses specifies the maximum column length in characters (in numbers).	This is an example of a string with numbers (1, 2, 3...n) and special characters (% , !, etc.)
Date yyyy-mm-dd	A date. Format: <b>YYYY-MM-DD</b>	2021-01-20
Numeric ( <i>size,decimals</i> )	Any number within the length limits. The <i>size</i> in parentheses specifies the maximum length of the number – the <i>decimals</i> in parentheses specifies the maximum amount of decimals in the number.	Numeric(4,2) – 12.34 Numeric(6,4) – 1234.56